

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Shunpei YAMAZAKI et al. Art Unit : Unknown
Serial No. : Not assigned yet Examiner : Unknown
Filed : April 26, 2001
Title : A SYSTEM FOR IDENTIFYING AN INDIVIDUAL, A METHOD FOR
IDENTIFYING AN INDIVIDUAL OR A BUSINESS METHOD

Commissioner for Patents
Washington, D.C. 20231

PRELIMINARY AMENDMENT

Prior to examination, please amend the application as follows:

In the specification:

Please add the following at page 24, line 19 as follows:

A number of variations, including systems, methods and business methods, can be employed. For example, a first system for identifying an individual to identify a client comprises: (1) a storing means for storing the biological information of the client; (2) a reading means for reading the biological information of the client; (3) a checking means for checking the read biological information with the stored biological information; and (4) a transmitting means for transmitting information that they have matched to the server in a case where the checking has matched.

A second system for identifying an individual to identify a client comprises: (1) a storing means for storing a plurality of biological information of the client; (2) a reading means for reading the biological information of the client; (3) a checking means for checking the read biological information with the plurality of stored biological information; and (4) a transmitting means for transmitting information that they have matched to the server in a case where the read biological information has matched with at least one of the stored plurality of information.

A third system for identifying an individual to identify a client comprises: (1) a storing means for storing a plurality of biological information of the client; (2) a reading means for reading a plurality of biological information of the client; (3) a checking means for checking the plurality of read biological information with the plurality of stored biological information; and (4) a transmitting means for transmitting information that they have matched to the server in a case where each of the plurality of read biological information has matched with at least one of the plurality of stored biological information.

A fourth system for identifying an individual to identify a client comprises: (1) a storing means for storing the biological information of the client; (2) a reading means for reading the biological information of the client; (3) a checking means for checking the read biological information with the stored biological information; and (4) a transmitting means for transmitting information that they have matched to the server in a case where the checking has matched through the Internet.

A fifth system for identifying an individual to identify a client comprises: (1) a storing means for storing a plurality of biological information of the client; (2) a reading means for reading the biological information of the client; (3) a checking means for checking the read biological information with the plurality of stored biological information; and (4) a transmitting means for transmitting information that they have matched to the server through the Internet, in a case where the read biological information has matched with at least one of the plurality of stored biological information.

A sixth system for identifying an individual to identify a client comprises: (1) a storing means for storing a plurality of biological information of the client; (2) a reading means for reading a plurality of biological information of the client; (3) a checking means for checking the plurality of read biological information with the plurality of stored biological information; and (4) a transmitting means for transmitting information that they have matched to the server through the Internet, in a case where each of the plurality of read biological information has matched with at least one of the plurality of stored biological information.

A seventh system for identifying an individual to identify a client comprises: (1) a reading means for reading biological information of the client; (2) a checking means for checking the read biological information with reference biological information; and (3) a transmitting means for transmitting information that they have matched to the server in a case where the checking has matched.

An eighth system for identifying an individual to identify a client comprises: (1) a reading means for reading biological information of the client; (2) a checking means for checking the read biological information with reference biological information; (3) a transmitting means for transmitting information that they have matched to the server in a case where the checking has matched; and (4) a transmitting means for transmitting information that a

communication between a user and the server is admitted to a portable information terminal after the server has received the information that the checking has matched.

A ninth system for identifying an individual to identify a client comprises: (1) a reading means for reading biological information of the client; (2) a checking means for checking the read biological information with reference biological information; and (3) a transmitting means for transmitting information that they have matched to the server in a case where the checking has matched through the Internet.

A tenth system for identifying an individual to identify a client comprises: (1) a reading means for reading biological information of the client; (2) a checking means for checking the read biological information with reference biological information; (3) a transmitting means for transmitting information that they have matched to the server in a case where the checking has matched through the Internet; and (4) a transmitting means for transmitting information that a communication between a user and the server is admitted to a portable information terminal after the server has received the information that the checking has matched.

An eleventh system for identifying an individual to identify a client comprises: (1) a storing means for storing the biological information of the client; (2) a reading means for reading the biological information of the client; (3) a checking means for checking the read biological information with the stored biological information; (4) a transmitting means for transmitting information to the server that they have matched in a case where the checking has matched; and (5) a transmitting means by which the server transmits information to final end of transaction with the client that the checking has matched. The transaction is started between the client and the final end of transaction after the final end of transaction has received information that the checking has matched.

A twelfth system for identifying an individual to identify a client comprises: (1) a storing means for storing a plurality of biological information of the client; (2) a reading means for reading the biological information of the client; (3) a checking means for checking the read biological information with the plurality of stored biological information; (4) a transmitting means for transmitting information to the server that they have matched in a case where the read biological information has matched with at least one of the plurality of stored biological information; and (5) a transmitting means by which the server transmits information to final end of a transaction with the client that the checking has matched. The transaction is started between

the client and the final end of transaction after the final end of transaction has received information that the checking has matched.

A thirteenth system for identifying an individual to identify a client comprises: (1) a storing means for storing a plurality of biological information of the client; (2) a reading means for reading a plurality of biological information of the client; (3) a checking means for checking the read plurality of biological information with the plurality of stored biological information; (4) a transmitting means for transmitting information to the server that they have matched in a case where each of the plurality of read biological information has matched with at least one of the plurality of stored biological information; and (5) a transmitting means by which the server transmits information to final end of transaction with the client that the checking has matched. The transaction is started between the client and the final end of transaction after the final end of transaction has received information that the checking has matched.

A fourteenth system for identifying an individual to identify a client comprises: (1) a storing means for storing the biological information of the client; (2) a reading means for reading the biological information of the client; (3) a checking means for checking the read biological information with the stored biological information; and (4) a transmitting means for transmitting information to the server that the checking has matched. After transmitting information that the checking has matched to the server, a personal identification number information is sent to the server and in a case that the personal identification number matches with a number stored at the server, the stored biological information can be rewritten.

A fifteenth system for identifying an individual to identify a client comprises: (1) a storing means for storing a plurality of biological information of the client; (2) a reading means for reading the biological information of the client; (3) a checking means for checking the read biological information with the plurality of stored biological information; and (4) a transmitting means for transmitting information to the server that the checking has matched in a case where the read biological information has matched with at least one of the plurality of stored biological information. After transmitting information that the checking has matched to the server, a personal identification number information is sent to the server and in a case that the personal identification number has matched with a number stored at the server, the plurality of stored biological information can be rewritten.

A sixteenth system for identifying an individual to identify a client comprises: (1) a storing means for storing a plurality of biological information of the client; (2) a reading means for reading a plurality of biological information of the client; (3) a means for checking the plurality of read biological information with the plurality of stored biological information; (3) a checking means for transmitting information to the server that the checking has matched in a case where each of the plurality of read biological information has matched with at least one of the plurality of stored biological information. After transmitting information that the checking has matched to the server, a personal identification number information is sent to the server and in a case that the personal identification number has matched with a number stored at the server, the plurality of stored biological information can be rewritten.

In the eleventh, twelfth, and thirteenth systems, the identifying of the client may be requested only in a case where the transaction to be made between the client and the final end of transaction satisfies conditions which are set at the server.

In the first, fourth, eleventh, and fourteenth systems, the biological information may be one selected from the group consisting of a fingerprint, a palm pattern and a voice print. The palm pattern may be a whole pattern of the palm or a pattern of a part of the palm.

In the second, third, ninth, tenth, twelfth, thirteenth, fifteenth, and sixteenth systems, each of the biological information may be one selected from the group consisting of a fingerprint, a palm pattern and a voice print. The palm pattern may be a whole pattern of the palm or a pattern of a part of the palm.

In the systems described above, the storing means may include a flash memory, the reading means may include a photodiode or a CCD, a portable information terminal may be used, a portable telephone may be used, and/or a personal computer may be used.

In a first method for identifying an individual to identify a client, the method comprises: (1) storing the biological information of the client using a storing means; (2) reading the biological information of the client using a reading means; (3) checking the read biological information with the stored biological information using a checking means; and (4) transmitting information that they have matched to the server in a case where the checking has matched using a transmitting means.

In a second method for identifying an individual to identify a client, the method comprises: (1) storing a plurality of biological information of the client using a storing means;

(2) reading the biological information of the client using a reading means; (3) checking the read biological information with the plurality of stored biological information using a checking means; and (4) transmitting information that they have matched to the server in a case where the read biological information has matched with at least one of the stored plurality of information using a transmitting means.

In a third method for identifying an individual to identify a client, the method comprises: (1) storing a plurality of biological information of the client using a storing means; (2) reading a plurality of biological information of the client using a reading means; (3) checking the plurality of read biological information with the plurality of stored biological information using a checking means; and (4) transmitting information that they have matched to the server in a case where each of the plurality of read biological information has matched with at least one of the plurality of stored biological information using a transmitting means.

In a fourth method for identifying an individual to identify a client, the method comprises: (1) storing the biological information of the client using a storing means; (2) reading the biological information of the client using a reading means; (3) checking the read biological information with the stored biological information using a checking means; and (4) transmitting information that they have matched to the server in a case where the checking has matched through the Internet by using a transmitting means.

In a fifth method for identifying an individual to identify a client, the method comprises: (1) storing a plurality of biological information of the client using a storing means; (2) reading the biological information of the client using a reading means; (3) checking the read biological information with the plurality of stored biological information using a checking means; and (4) transmitting information that they have matched to the server through the Internet, in a case where the read biological information has matched with at least one of the plurality of stored biological information using a transmitting means.

In a sixth method for identifying an individual to identify a client, the method comprises: (1) storing a plurality of biological information of the client using a storing means; (2) reading a plurality of biological information of the client using a reading means; (3) checking the plurality of read biological information with the plurality of stored biological information using a checking means; and (4) transmitting information that they have matched to the server through

the Internet, in a case where each of the plurality of read biological information has matched with at least one of the plurality of stored biological information by using a transmitting means.

In a seventh method for identifying an individual to identify a client, the method comprises: (1) reading biological information of the client using a reading means; (2) checking the read biological information with reference biological information using a checking means; and (3) transmitting information that they have matched to the server in a case where the checking has matched using a transmitting means.

In an eighth method for identifying an individual to identify a client, the method comprises: (1) reading biological information of the client using a reading means; (2) checking the read biological information with reference biological information using a checking means; (3) transmitting information that they have matched to the server in a case where the checking has matched using a transmitting means; and (4) transmitting information that a communication between a user and the server is admitted to a portable information terminal after the server has received the information that the checking has matched using a transmitting means.

In a ninth method for identifying an individual to identify a client, the method comprises: (1) reading biological information of the client using a reading means; (2) checking the read biological information with reference biological information using a checking means; and (3) transmitting information that they have matched to the server in a case where the checking has matched through the Internet using a transmitting means.

In a tenth method for identifying an individual to identify a client, the method comprises: (1) reading biological information of the client using a reading means; (2) checking the read biological information with reference biological information using a checking means; (3) transmitting information that they have matched to the server in a case where the checking has matched through the Internet using a transmitting means; and (4) transmitting information that a communication between a user and the server is admitted to a portable information terminal after the server has received the information that the checking has matched using a transmitting means.

In an eleventh method for identifying an individual to identify a client, the method comprises: (1) storing the biological information of the client using a storing means; (2) reading the biological information of the client using a reading means; (3) checking the read biological information with the stored biological information using a checking means, (4) transmitting

information to the server that they have matched in a case where the checking has matched using a transmitting means; and (5) the server transmitting information to final end of transaction with the client that the checking has matched by using a transmitting means. The transaction is started between the client and the final end of transaction after the final end of transaction has received information that the checking has matched.

In a twelfth method for identifying an individual to identify a client, the method comprises: (1) storing a plurality of biological information of the client using a storing means; (2) reading the biological information of the client using a reading means; (3) checking the read biological information with the plurality of stored biological information using a checking means; (4) transmitting to the server that they have matched in a case where the read biological information has matched with at least one of the plurality of stored biological information using a transmitting means; and (5) the server transmitting information to final end of a transaction with the client that the checking has matched by using a transmitting means. The transaction is started between the client and the final end of transaction after the final end of transaction has received information that the checking has matched.

In a thirteenth method for identifying an individual to identify a client, the method comprises: (1) storing a plurality of biological information of the client using a storing means; (2) reading a plurality of biological information of the client using a reading means; (3) checking the read plurality of biological information with the plurality of stored biological information using a checking means; (4) transmitting information to the server that they have matched in a case where each of the plurality of read biological information has matched with at least one of the plurality of stored biological information using a transmitting means; and (5) the server transmitting information to final end of transaction with the client that the checking has matched by using a transmitting means. The transaction is started between the client and the final end of transaction after the final end of transaction has received information that the checking has matched.

In a fourteenth method for identifying an individual to identify a client, the method comprises: (1) storing the biological information of the client using a storing means; (2) reading the biological information of the client using a reading means; (3) checking the read biological information with the stored biological information using a checking means; and (4) transmitting information to the server that the checking has matched using a transmitting means. After

transmitting information that the checking has matched to the server, a personal identification number information is sent to the server and in a case that the personal identification number matches with a number stored at the server, the stored biological information can be rewritten.

In a fifteenth method for identifying an individual to identify a client, the method comprises: (1) storing a plurality of biological information of the client using a storing means; (2) reading the biological information with the plurality of stored biological information using a reading means; (3) checking the read biological information with the stored biological information using a checking means; and (4) transmitting information to the server that the checking has matched in a case where the read biological information has matched with at least one of the plurality of stored biological information using a transmitting means. After transmitting information that the checking has matched to the server, a personal identification number information is sent to the server and in a case that the personal identification number has matched with a number stored at the server, the plurality of stored biological information can be rewritten.

In a sixteenth method for identifying an individual to identify a client, the method comprises: (1) storing a plurality of biological information of the client using a storing means; (2) reading a plurality of biological information of the client using a reading means; (3) checking the plurality of read biological information with the plurality of stored biological information; and (4) transmitting information to the server that the checking has matched in a case where each of the plurality of read biological information has matched with at least one of the plurality of stored biological information using a checking means. After transmitting information that the checking has matched to the server, a personal identification number information is sent to the server and in a case that the personal identification number has matched with a number stored at the server, the plurality of stored biological information can be rewritten.

In the eleventh, twelfth, and thirteenth methods, the identifying of the client may be requested only in a case where the transaction to be made between the client and the final end of transaction satisfies conditions which are set at the server.

In the first, fourth, eleventh, and fourteenth methods, the biological information may be one selected from the group consisting of a fingerprint, a palm pattern and a voice print. The palm pattern may be a whole pattern of the palm or a pattern of a part of the palm.

In the second, third, ninth, tenth, twelfth, thirteenth, fifteenth, and sixteenth methods, each of the biological information may be one selected from the group consisting of a fingerprint, a palm pattern and a voice print. The palm pattern may be a whole pattern of the palm or a pattern of a part of the palm.

In the methods described above, the storing means may include a flash memory, the reading means may include a photodiode or a CCD, a portable information terminal may be used, a portable telephone may be used, and/or a personal computer may be used.

In a business method using Internet, the business method comprises: (1) an identifying element to identify a client; and (2) a control element for controlling a communication between the client and a plurality of dealers. The identifying element comprises: (a) a reading means for reading biological information of the client; (b) a checking means for checking the read biological information with reference biological information; and (c) a transmitting means for transmitting information that they have matched to the control element in a case where the checking has matched. The control element comprises: (a) an admitting means for admitting the communication between the client and the plurality of dealers after identifying the client by the control element; and (b) a providing means for providing a password to the client.

In the claims:

Please cancel claims 2-25, 27-50, 52, and 53.

REMARKS

Claims 1, 26, and 51 are pending in this application with claims 1, 26, and 51 being independent. Claims 2-25, 27-50, 52, and 53 have been cancelled without prejudice or disclaimer.

Attached is a marked-up version of the changes being made by the current amendment. The attached page is captioned **"Version with markings to show changes made."**

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The examiner is invited to contact the undersigned with any questions at the number set forth below. Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date:

April 26, 2001

William D. Hare

William D. Hare

Reg. No. 44,739

Fish & Richardson P.C.
601 Thirteenth Street, NW
Washington, DC 20005
Telephone: (202) 783-5070
Facsimile: (202) 783-2331

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